

BRAIN RESEARCH: DEVELOPMENTAL BRAIN RESEARCH

VOL. 101 NOS. 1,2

CONTENTS

18 July 1997

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – Excerpta Medica (EMBASE) – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Current Awareness in Biological Science (CABS)

Publisher's Announcement

v

Guidelines for the submission of manuscripts

vii

Research reports

- The effects of lactate and β -hydroxybutyrate on the energy metabolism and neural activity of hippocampal slices from adult and immature rat
H. Wada, Y. Okada, M. Nabetani and H. Nakamura (Japan) 1
- Apoptosis is induced by choline deficiency in fetal brain and in PC12 cells
M.Q. Holmes-McNary, R. Loy, M.-H. Mar, C.D. Albright and S.H. Zeisel (USA) 9
- Behavioral changes in rats with early ventral hippocampal damage vary with age at damage
G.K. Wood, B.K. Lipska and D.R. Weinberger (USA) 17
- Gliogenesis in postnatal rat optic nerve: LC1 + microglia and S100- β + astrocytes
M.-Z. Zhang and J.A. McKanna (USA) 27
- Functional connectivity in the rodent trigeminal pathway grown in vitro
R.S. Erzurumlu, F.-S. Lo, E. Günhan-Agar and W. Guido (USA) 37
- No effect of glutamate on metabolic disturbances in hippocampal slices of mature fetal guinea pigs after transient in vitro ischemia
R. Berger, A. Jensen, K.-A. Hossmann and W. Paschen (Germany) 49
- Development of the enkephalin-, neurotensin- and somatostatin-like (ENSLI) amacrine cells in the chicken retina
D.S. Yang, M.K. Boelen and I.G. Morgan (Australia) 57
- Developmental profile of NGF immunoreactivity in the rat brain: a possible role of NGF in the establishment of cholinergic terminal fields in the hippocampus and cortex
J.M. Conner and S. Varon (USA) 67
- Early behavioral development of mice is affected by staggerer mutation as soon as postnatal day three
P. Heuzé, C. Féron and C. Baudoin (France) 81
- Expression of eight metabotropic glutamate receptor subtypes during neuronal differentiation of P19 embryocarcinoma cells: a study by RT-PCR and in situ hybridization
S. Heck, R. Enz, C. Richter-Landsberg and D.H. Blohm (Germany, USA) 85
- Nicotinic and muscarinic cholinergic receptor binding in the human hippocampal formation during development and aging
J.A. Court, S. Lloyd, M. Johnson, M. Griffiths, N.J.M. Birdsall, M.A. Piggott, A.E. Oakley, P.G. Ince, E.K. Perry and R.H. Perry (UK) 93
- Influence of the neuropeptide somatostatin on the development of dendritic morphology: a cysteamine-depletion study in the rat auditory brainstem
M. Kungel, K. Piechotta, H.-J. Rietzel and E. Friauf (Germany) 107
- Acceleration of neuronal maturation of P19 cells by increasing culture density
D. Parnas and M. Linial (Israel) 115
- Postnatal neurogenesis in the telencephalon of turtles: evidence for nonradial migration of new neurons from distant proliferative ventricular zones to the olfactory bulbs
M.M. Pérez-Cañellas, E. Font and J.M. García-Verdugo (Spain) 125
- Development of HVA and LVA calcium currents in pyramidal CA1 neurons in the hippocampus of the rat
P. Korteas and W.J. Wadman (Netherlands) 139
- Early generation of glia in the intermediate zone of the developing cerebral cortex
N.E.J. Berman, J.K. Johnson and R.M. Klein (USA) 149
- Retinal activity regulates developmental switches in functional properties and ifenprodil sensitivity of NMDA receptors in the lateral geniculate nucleus
A.S. Ramoa and G. Prusky (USA, Canada) 165
- Transient expression of NADPH-diaphorase/nitric oxide synthase in the paratenial nucleus of the rat thalamus
E. García-Ojeda, J.R. Alonso, C. Crespo, E. Weruaga, J.G. Briñón, R. Arévalo and J. Aijón (Spain) 177
- Differential laminin isoform expression in the developing rat olfactory system
E.H. Raabe, K. Yoshida and G.A. Schwarting (USA) 187
- Involvement of phosphatidylinositol-3 kinase in prevention of low K^+ -induced apoptosis of cerebellar granule neurons
K. Shimoke, T. Kubo, T. Numakawa, Y. Abiru, Y. Enokido, N. Takei, T. Ikeuchi and H. Hatanaka (Japan) 197
- Retrosplenial/presubicular continuum in primates: a developmental approach in fetal macaques using neurotensin and parvalbumin as markers
B. Berger, C. Alvarez and D. Pelaprat (France) 207

(contents continued on p. 307)



0165-3806(19970718)101:1/2;1-S

(contents continued)

Immunocytochemical localization of a novel radial glial intermediate filament protein G.J. Cole and J.-A. Lee (USA)	225
Changes in proenkephalin gene expression in the developing hamster S.O. Franklin (USA)	239
Myelin basic protein immunoreactivity in the internal capsule of neonates from rats on a low iodine intake or on methylmercaptoimidazole (MMI) J.R. Martinez-Galan, P. Pedraza, M. Santacana, F. Escobar del Rey, G. Morreale de Escobar and A. Ruiz-Marcos (Spain)	249
The growth-associated protein GAP-43 is specifically expressed in tyrosine hydroxylase-positive cells of the rat retina J.P. Kapfhammer, F. Christ and M.E. Schwab (Switzerland)	257
<i>Short communications</i>	
Activation of the type 2 adrenal steroid receptor can rescue granule cells from death during development E. Gould, P. Tanapat and B.S. McEwen (USA)	265
Interactions of corticosterone and embryonic light deprivation on memory retention in day-old chicks N. Sui, C. Sandi and S.P.R. Rose (People's Republic of China, UK)	269
Sexually dimorphic effects of anti-NGF treatment in neonatal rats L. Ricceri, A. Ewusi, G. Calamandrei and J. Berger-Sweeney (Italy, USA)	273
Developmental differences in endplate response to P-type calcium channel blockade in the rat diaphragm J.G. Breugelmans and A.R. Bazzzy (USA)	277
Carbon monoxide formation in the guinea pig hippocampus: ontogeny and effect of in vitro ethanol exposure M.N. Cook, G.S. Marks, H.J. Vreman, B.E. McLaughlin, K. Nakatsu, D.K. Stevenson and J.F. Brien (Canada, USA)	283
Developmental switch in phenotypic expression of preproenkephalin mRNA and $^{45}\text{Ca}^{2+}$ accumulation following kainate-induced status epilepticus L.K. Friedman (USA)	287
NGF antibodies impair long-term depression at the mossy fibre-CA3 synapse in the developing hippocampus F. Ruberti, N. Berretta, A. Cattaneo and E. Cherubini (Italy)	295
Serotonin facilitates synaptic plasticity in kitten visual cortex: an in vitro study L. Kojic, Q. Gu, R.M. Douglas and M.S. Cynader (Canada)	299
<i>Author Index</i>	305

